

Product datasheet for **RC206108**

CNTD (CNTD1) (NM_173478) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CNTD (CNTD1) (NM_173478) Human Tagged ORF Clone
Tag:	Myc-DDK
Symbol:	CNTD
Synonyms:	CNTD; COSA1
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-Entry (PS100001)
E. coli Selection:	Kanamycin (25 ug/mL)
ORF Nucleotide Sequence:	>RC206108 ORF sequence Red=Cloning site Blue=ORF Green=Tags(s)

TTTGTAAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
GCC**CGATCGCC**

ATGGACGGACCCATGAGGCCACGATCGGCCTCCCTCGTTGACTTTCAGTTTGGAGTTGTCGCCACAGAGA
CGATTGAAGACGCCCTGCTTCACTTGGCCAGCAGAATGAGCAAGCAGTGAGGGAGGCTTCGGGGCGGCT
GGGCCGCTTCAGGGAGCCCCAGATCGTGGAGTTTGTCTTCTCTGTCTGAACAATGGTGTCTGGAGAAA
TCTGTGAGCTACCAGGCTGTAGAAATCCTAGAAAGTTTATGGTAAAACAGGCAGAGAACATCTGCAGGC
AAGCCACAATCCAGCCAAGAGATAATAAGAGAGAGTCTCAGAATTGGAGGGCTCTGAAACAGCAGCTTGT
CAACAAGTTTACTCTCCGCTTTGTGTCTGTGTTGAGCTGGCCAGCAAACCTTCTCTCCGAAACAAAATA
ATCAGCAACATTACAGTCTTGAATTTCTCCAGGCTCTAGGCTATCTACACACTAAAGAAGAACTGCTGG
AATCAGAGCTTGATGTTTTGAAGTCCTTGAACCTCCGAATTAATCTGCCCACTCCCTGGCATATGTGGA
GACGCTCCTAGAGGTTTTAGGATACAATGGCTGTTTGGTTCCAGCCATGAGGCTGCATGCAACCTGCCTG
ACACTGCTCGACCTGGTCTATCTTCTGCATGAACCATATATGAGAGCCTGTTGAGGGCTTCAATTGAGA
ACTCCACTCCCAGTCAGCTGCAAGGGGAAAAGTTTACTTCAGTGAAGGAAGACTTCATGCTGTTGGCAGT
AGGAATCATTGCAGCAAGTGCTTTCATCCAAAACCATGAGTGTGGAGCCAGGTTGTGGGGCATTTCAG
AGCATCACTGGTATTGCCTTGGCAAGCATTGCTGAGTTCTTTATGCAATCCTGACTCAGGAGTGGGAG
CCAACACTCCGGGGAGACAGCAGTCTATTCTCCCCACCTGGCAGCCAGAGCTCTGAAGACTGTTGCTTC
CTCTAACACA

ACGCGTACGCGGCCGCTCGAGCAGAACTCATCTCAGAAGAGGATCTGGCAGCAAATGATATCCTGGATT
ACAAGGATGACGACGATAAGGTTTAA


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Protein Sequence: >RC206108 protein sequence
 Red=Cloning site Green=Tags(s)

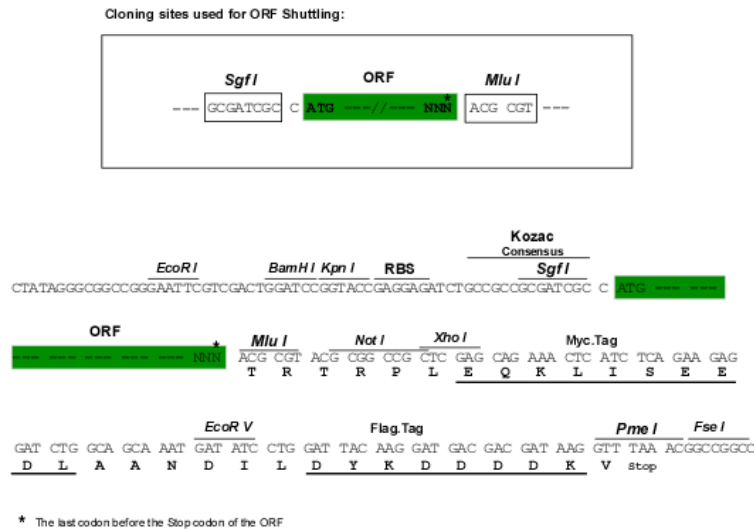
MDGPMRPRSASLVDFQFGVVATETIEDALLHLAQNEQAVREASGRLGRFREPQIVEFVFLSEQWCLEK
 SVSYQAVEILERFMVKQAENICRQATIQPRDNKRESQNRALKQQLVNKFTLRLVSCVQLASKLSFRNKI
 ISNITVLNFLQALGYLHTKEELLESELDVLKSLNFRINLPTLAYVETLLEVLGYNGCLVPAMRLHATCL
 TLLDLVYLLHEPIYESLLRASIENSTPSQLQGEKFTSVKEDFMLLAVGIIAASAFIQNHECWSQVVGHLQ
 SITGIALASIAEFSYAILTHGVGANTPGRQQSIPPHLAARALKTVASSNT

TRTRPLEQKLISEEDLAANDILDYKDDDDKV

Chromatograms: https://cdn.origene.com/chromatograms/mk6319_h04.zip

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_173478

ORF Size: 990 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

Note: Plasmids are not sterile. For experiments where strict sterility is required, filtration with 0.22um filter is required.

RefSeq: [NM_173478.3](#)

RefSeq Size: 3318 bp

RefSeq ORF: 993 bp

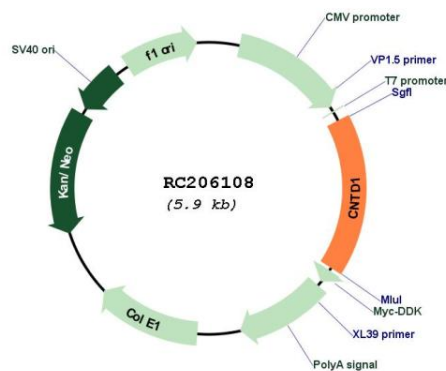
Locus ID: 124817

UniProt ID: [Q8N815](#)

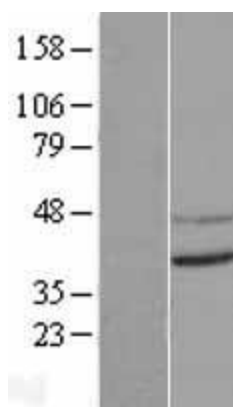
Cytogenetics: 17q21.2-q21.31

MW: 36.9 kDa

Product images:



Circular map for RC206108



Western blot validation of overexpression lysate (Cat# [LY406595]) using anti-DDK antibody (Cat# [TA50011-100]). Left: Cell lysates from untransfected HEK293T cells; Right: Cell lysates from HEK293T cells transfected with RC206108 using transfection reagent MegaTran 2.0 (Cat# [TT210002]).